

FIG. 1

100 TRAFFIC CONTROL APPARATUS

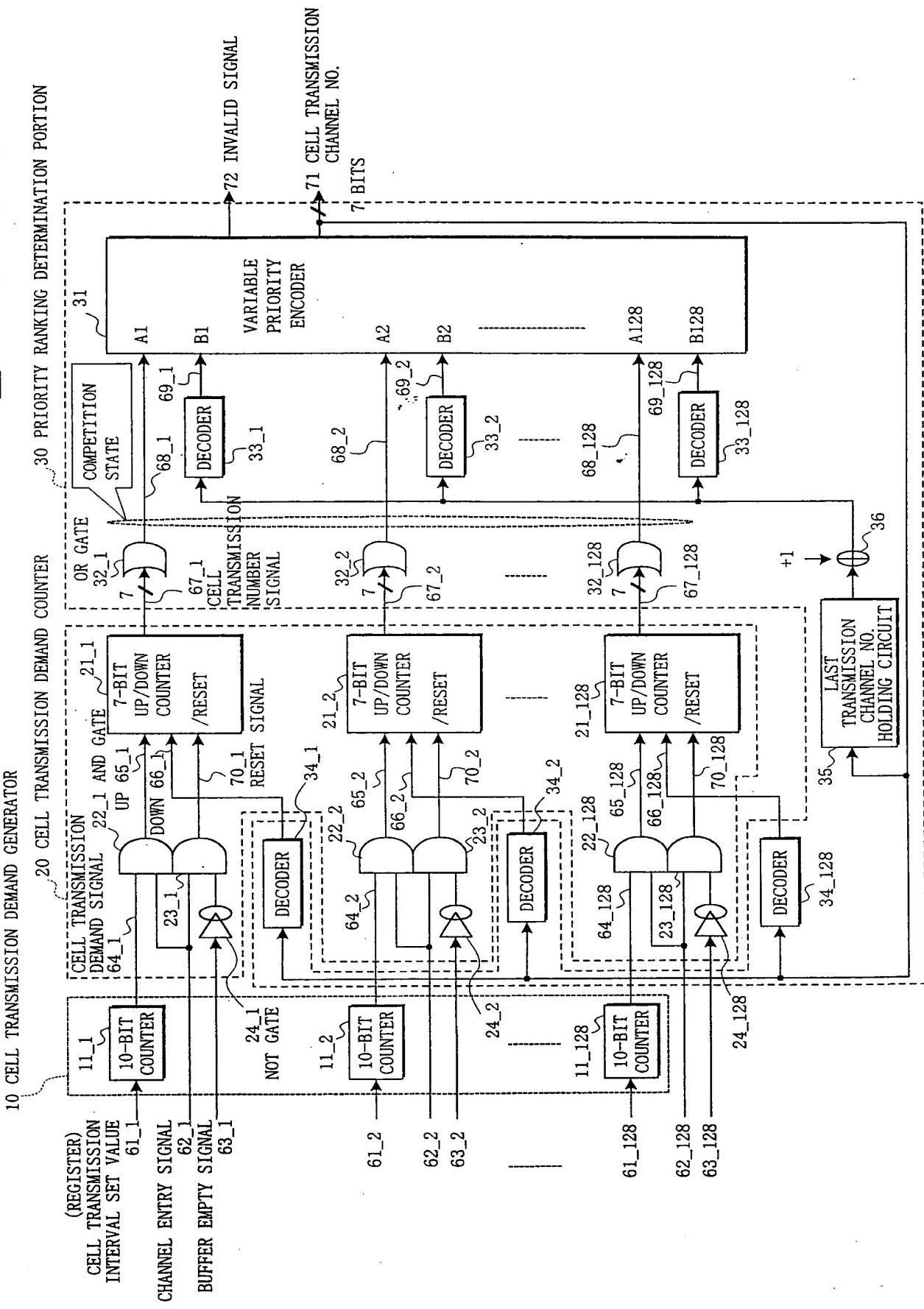
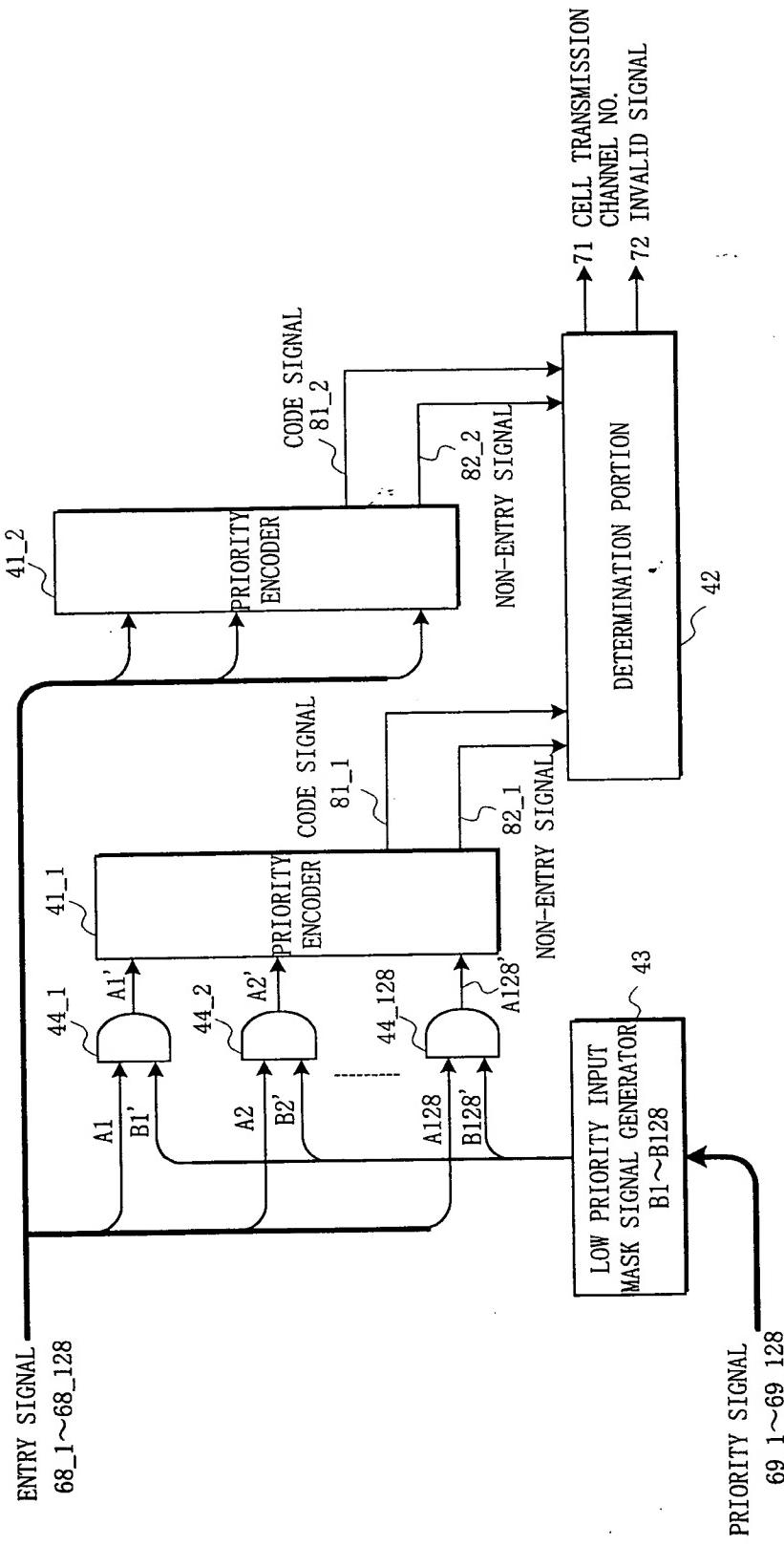


FIG. 2

31

OUTPUT CODE OF ADDITION CIRCUIT 36=M

	A128	A127	A126	.....	Ak	.....	AM	.....	Aj	.....	A3	A2	A1
	0	0	0	.....	0	.....	0	1	0	.....	0	0	0

MASK FROM A1 TO A(M-1)**FIG. 3A** PRIORITY SIGNAL**FIG. 3B** MASK SIGNAL GENERATOR 43
OUTPUT SIGNAL B1' ~B128'**FIG. 3C** ENTRY SIGNAL 68_1~68_128**FIG. 3D** PRIORITY ENCODER 41_1
INPUT SIGNAL A1' ~A128'**FIG. 3E** CODE SIGNAL 81_1**FIG. 3F** PRIORITY ENCODER 41_2
INPUT SIGNAL 68_1~68_128**FIG. 3G** CODE SIGNAL 81_2**FIG. 3H** OUTPUT CELL TRANSMISSION CHANNEL NO. 71
INVALID SIGNAL 72

X : DON'T CARE

SEARCH

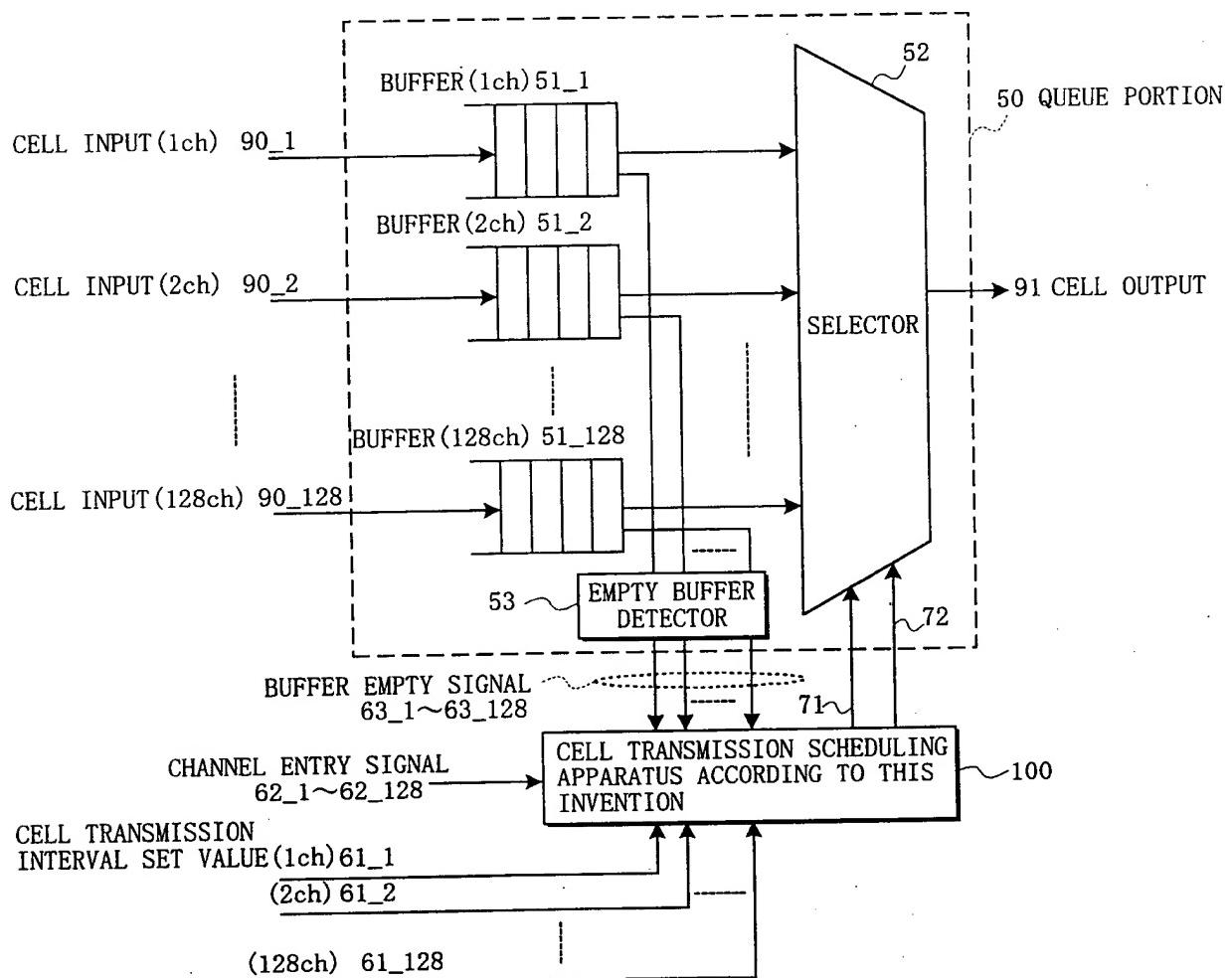
k
j
SEARCH0
0 (VALID)

FIG. 4

INPUT SIGNAL				OUTPUT SIGNAL	
CODE SIGNAL 81_1	NON-ENTRY SIGNAL 82_1	CODE SIGNAL 81_2	NON-ENTRY SIGNAL 82_2	CHANNEL NO. 71	INVALID SIGNAL 72
X	INVALID	X	INVALID	X	INVALID
k	VALID	X	INVALID	k	VALID
X	INVALID	j	VALID	j	VALID
k	VALID	j	VALID	k	VALID

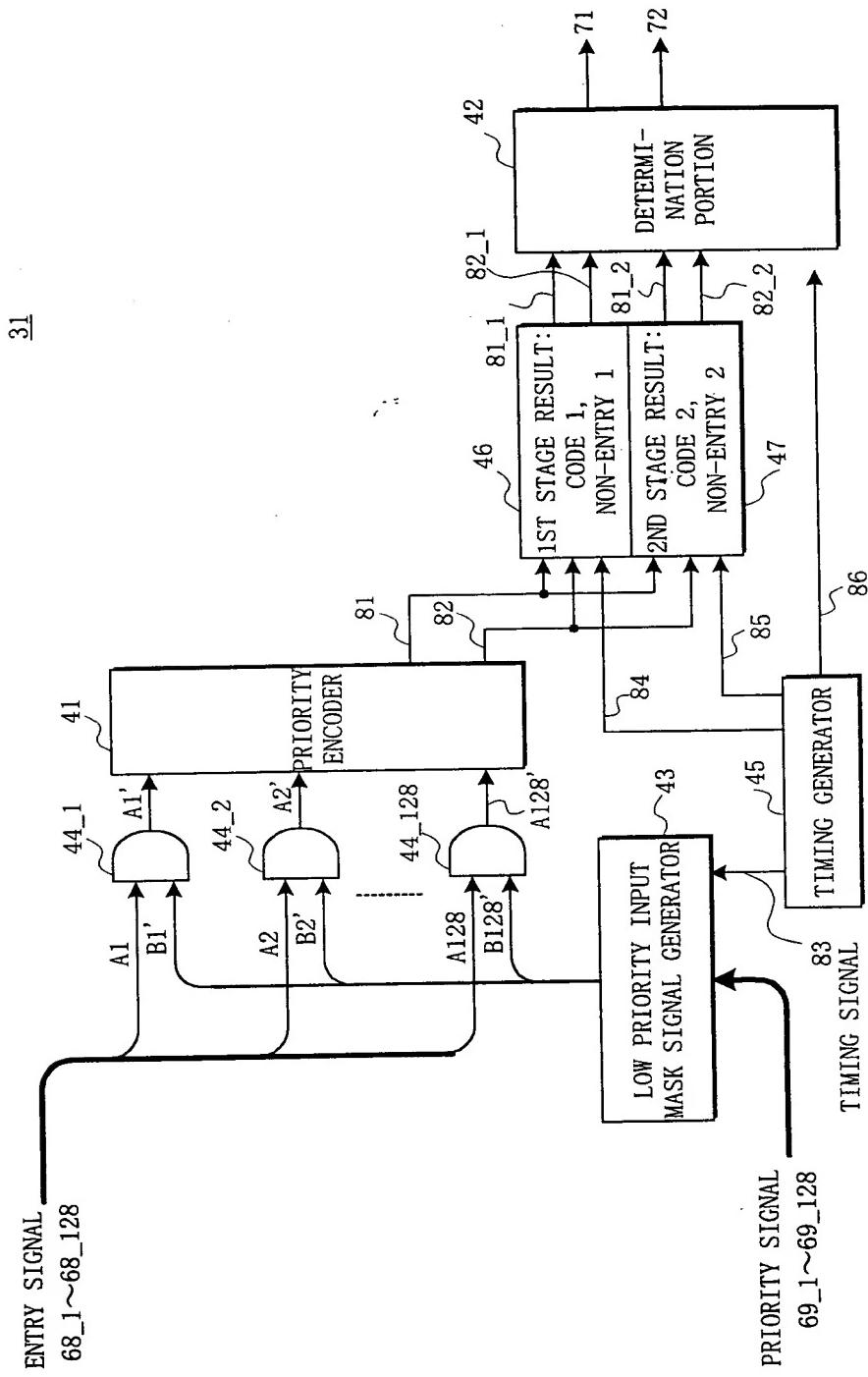
X : DON' T CARE

FIG. 6



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FIG. 5



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CASE OF CHANNEL NUMBER N=4

FIG. 7A CELL TRANSMISSION TIMING

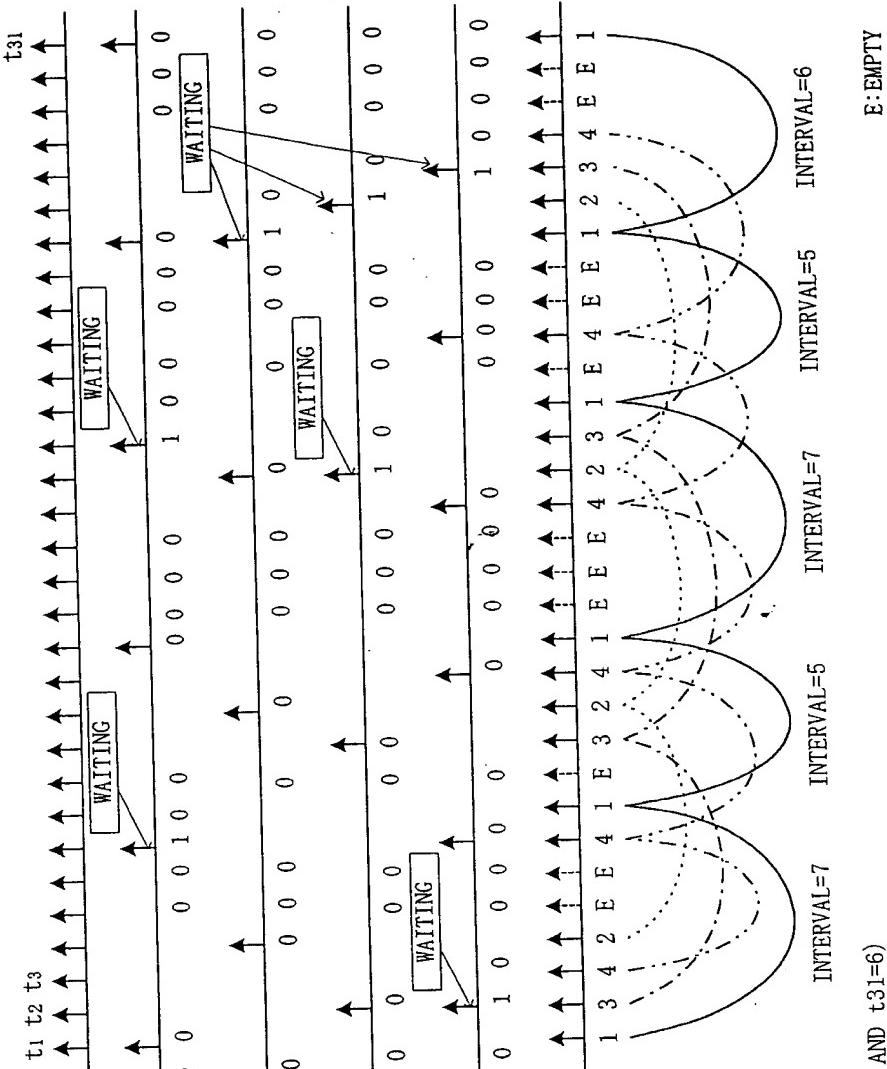
FIG. 7B

FIG. 7C ch2: CELL TRANSMISSION INTERVAL 7
CELL TRANSMISSION DEMAND SIGNAL 64_2
CELL TRANSMISSION NUMBER SIGNAL 67_2

FIG. 7D

FIG. 7E ch4: CELL TRANSMISSION INTERVAL 5
CELL TRANSMISSION DEMAND SIGNAL 64_4
CELL TRANSMISSION NUMBER SIGNAL 67_4

FIG. 7F CELL TRANSMISSION TIMING
CELL TRANSMISSION CHANNEL NO. 71



(ch1'S AVERAGE TRANSMISSION INTERVAL BETWEEN t1 AND t3) = 6

CASE OF CHANNEL NUMBER N=5

FIG. 8A CELL TRANSMISSION TIMING

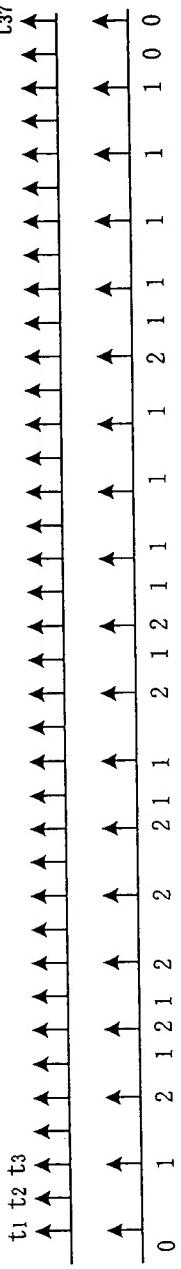


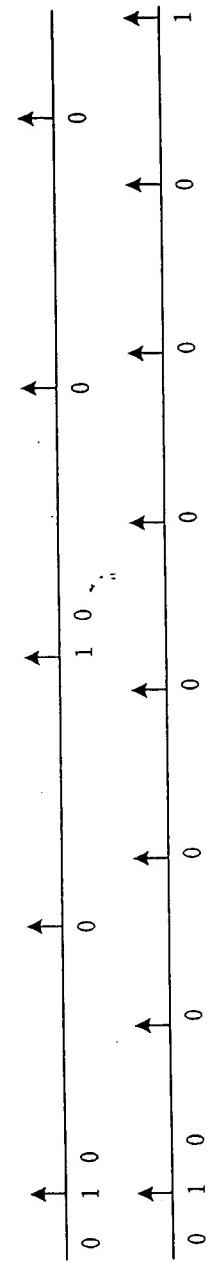
FIG. 8B CELL TRANSMISSION INTERVAL 2
ch1:CELL TRANSMISSION DEMAND SIGNAL 64_1
CELL TRANSMISSION NUMBER SIGNAL 67_1

ch2:CELL TRANSMISSION INTERVAL 7



FIG. 8C CELL TRANSMISSION DEMAND NUMBER SIGNAL 6

1.2.5.1 TRANSMISSION INTERVAL 8



CELL TRANSMISSION NUMBER SIGNAL 6

FIG. 8E CELL TRANSMISSION DEMAND SIGNAL

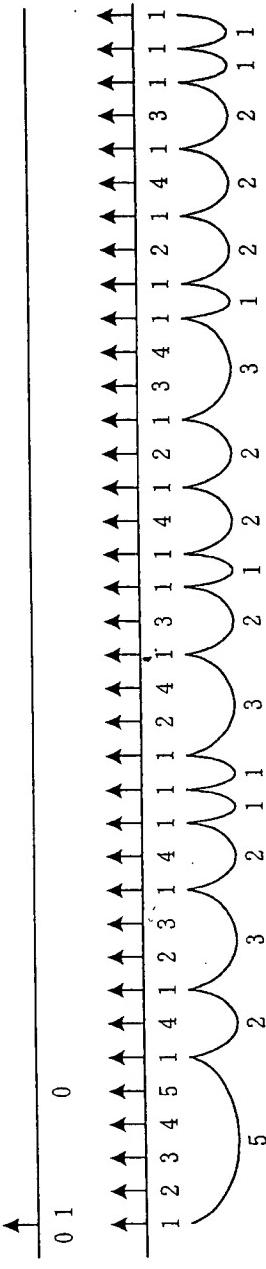


FIG. 8G CELL TRANSMISSION TIMING

ch1's CELL TRANSMISSION INTERVAL
(AVERAGE TRANSMISSION INTERVAL BETWEEN t1 AND t37=2)